PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 0000055142	FOR FURTHER ACTION	See Form PCT/IPEA/416							
International application No.	International filing date (day/month/ye	ar) Priority date (day/month/year)							
PCT/EP2004/013993	09.12.2004	11.12.2003							
International Patent Classification (IPC) or nati	International Patent Classification (IPC) or national classification and IPC								
C08G18/B6, C08J9/32									
Applicant									
BASF AKTIENGESELLSCH	AFT								
This report is the international prelin under Article 35 and transmitted to th	e applicant according to Article 36.	by this International Preliminary Examining Authority							
2. This REPORT consists of a total of _	5 sheets,	including this cover sheet.							
3. This report is also accompanied by A	NNEXES, comprising:								
a. (sent to the applicant and	to the International Bureau) a total of	1 sheets, as follows:							
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative									
Instructions).	ede earlier sheets, but which this Autho	ority considers contain an amendment that goes beyond							
		ndicated in item 4 of Box No. I and the Supplemental							
b. (sent to the International	Bureau only) a total of (indicate type and	d number of electronic carrier(s))							
		, containing a sequence listing and/or tables							
		Supplemental Box Relating to Sequence Listing (see							
Section 802 of the Administ	· · · · · · · · · · · · · · · · · · ·								
4. This report contains indications relati	ng to the following items:								
Box No. I Basis of the	report								
Box No. II Priority									
Box No. III Non-establi	shment of opinion with regard to novelt	y, inventive step and industrial applicability							
Box No. IV Lack of unit	ty of invention								
DON TIOL I									
Box No. VI Certain doc									
Box No. VII Certain defe	Box No. VII Certain defects in the international application								
Box No. VIII Certain obse	Box No. VIII Certain observations on the international application								
Date of submission of the demand	Date of complet	ion of this report							
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Name and mailing address of the IPEA/EP	Authorized office	eer							
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Facsimile No.	Telephone No.								

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/013993

Box	No. I	I Basis of the report				
1.		h regard to the language, this report is based on the internation cated under this item.	onal application in the language in	which it was filed, unless otherwise		
		This report is based on translations from the original langua which is the language of a translation furnished for the purposition international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4 international preliminary examination (Rule 55.2 and	ooses of: (a) (or 55.3)			
2.	rece	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished the description: pages 1–7 as originally filed/furnished				
		pages 1-7 pages*				
		pages*				
	\boxtimes	the claims:	,			
		nos.		as originally filed/furnished		
		nos.*				
		nos.* 1-6				
		nos.*				
		the drawings:				
		sheets		as originally filed/furnished		
		sheets*	received by this Authority on			
		sheets*	received by this Authority on			
		a sequence listing and/or any related table(s) – see Supplen	nental Box Relating to Sequence L	isting.		
3.		The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, nos.				
		the decisions about (6) as				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as f				
		the description, pages				
		the claims, nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
*	If ite	em 4 applies, some or all of those sheets may be marked "sup	erseded."			

International application No.	
PCT/EP2004/013993	

Во				icle 35(2) with regard to novelty, inventive step or industrial applicability;	
1.	Statement		•		
	Novelty (N)		Claims _	1-6	YES
			Claims _		
	Inventive step (IS)		Claims	1-6	YES
	Industrial applicabil	ity (IA)	Claims	1-6	YES
		• , ,		1-6	
2.	Citations and explanation				
	1.		_	t makes reference to the following	
		docui	ments:		
				20 (00000 - (
		D1:		99/03922 A (BAYER	
				IENGESELLSCHAFT; GRIMM, WOLFGANG	
				r, UDO; VON SEGGERN, ELK) 28 January	
				9 (1999-01-28)	
		D2:		197 28 792 A1 (BAYER AG, 51373	
			LEVE	ERKUSEN, DE) 7 January 1999 (1999-	
			01-0	07)	
		D3:	WO S	94/00504 A (MINNESOTA MINING AND	
			JIAM	JFACTURING COMPANY) 6 January 1994	
			(199	94-01-06)	
		D4:	US-A	A-5 621 043 (CROFT ET AL) 15 April	
			1997	7 (1997-04-15)	
	2.	Nove:	lty		
		-	nt application relates to an		
		nore p	pipe built from an inner pipe (i) to		
		whic	n is a	dhered a layer of syntactic	
		poly	uretha	nnes (ii) obtainable by reacting a	
		poly	isocya	nate component (a) with a polyol	

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

component (b) in the presence of hollow microspheres (c). The polyol component (b) contains polyether polyol mixture (b) in a quantity of 5-60 percent by weight relative to the total weight of the polyol component (b) and oil based on a fatty acid (b2) in a quantity of 10-90 percent by weight relative to the total weight of the polyol component (b) (claim 1). Furthermore, the present application relates to the production of an offshore pipe (claim 6).

Documents D2-D4 do not relate to an offshore pipe. D1 discloses the use of the component (b2) in small quantities in the polyol components (see, for example, example 1: 100 percent by weight polyether, 1 percent by weight castor oil).

Consequently, the subject matter of claims 1- 6 of the present application is novel over D1-D4.

3. Inventive step

D1 is regarded as the closest prior art.

D1 discloses the use of small quantities of the polyol component (b2) in the polyol component (b) for producing offshore pipes (see example 1, claim 6). Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The subject matter of the present application differs from the subject matter in D1 in that that polyol component (b2) is used in a quantity of 10-90 percent by weight relative to the total weight of the polyol component (b).

The problem to be solved by the present application was that of providing offshore pipes (see page 2, lines 1-6).

This problem was solved by using the polyol component (b2) in a quantity of 10-90 percent by weight relative to the total weight of the polyol component (b) (see claim 1).

This solution is not suggested in D1. It is not obvious from a combination of D1 and documents D2-D4, either, since these documents do not relate to offshore pipes.

Consequently, the subject matter of claims 1-6 of the present application involves an inventive step with respect to D1-D4.